

INDEPENDENT BATTERY CERTIFICATE



CERTIFICATE NUMBER: 9BC1E8DB-3DBA-486D-9A60-165A6177BED3

VEHICLE

BRAND: Volkswagen
MODEL: ID4 - 77 kWh

MILEAGE: 114,452 km
VIN: WVGZZZE2ZNP043435
DATE AND TIME:
02.09.2025, 10:30:28

EXECUTED BY: Carla AB

RESULTS

STATE OF HEALTH (SOH)

92.2 %

ENERGY

71kWh | 77kWh



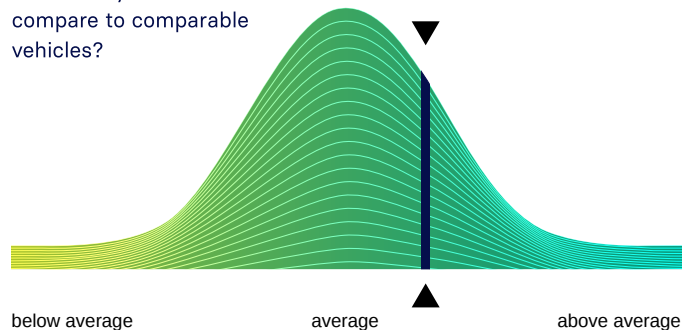
WLTP RANGE

504km | 547km

RATING

BENCHMARKING

How does your vehicle compare to comparable vehicles?



CHECKS

Battery Management System (BMS)	✓
Battery Sensor	✓
Battery Measurements	✓
Battery Cell Voltages	✓
Vehicle Communication	✓



EVALUATION

EXCELLENT HEALTH - NO ABNORMALITIES DETECTED

Based on the detailed battery diagnostics performed with the AVILOO FLASH Test, we hereby certify that the drive battery of this vehicle is in excellent condition.

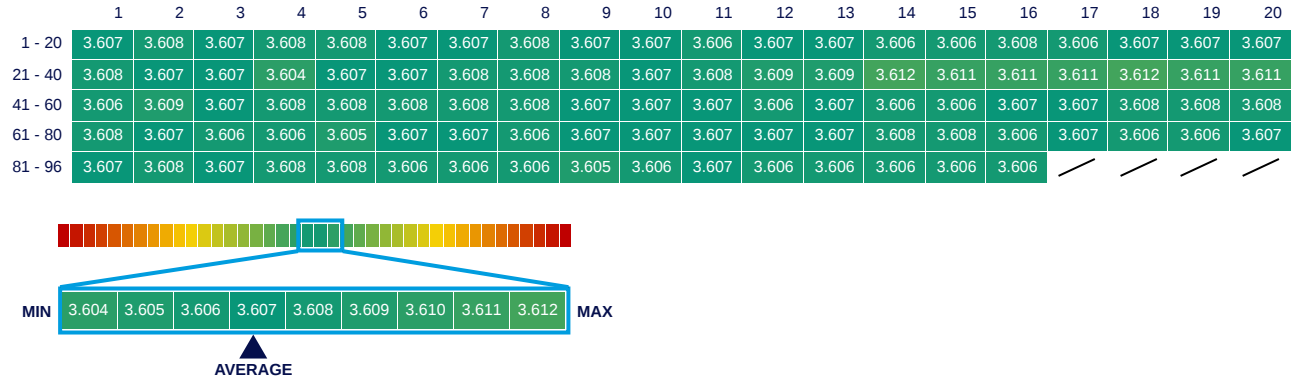
The drive battery is therefore officially AVILOO Certified.

Marcus Berger

Dr. Marcus Berger, CEO



CELL VOLTAGES DIAGRAM



EXECUTION PROTOCOL

AVILOO Box connected.	10:30:24
FLASH Test started.	✓
Vehicle detected.	✓
Starting data acquisition.	✓
Finished data acquisition.	✓
Analyzing data.	✓
Analysis completed.	✓

RANGE

	WLTP	Typical	Individual
Current:	425-504km	361km	343km
New:	461-547km	391km	372km

ENERGY

	Gross	Net (Nominal)	Usable
Current:	75.6kWh	71.0kWh	68.2kWh
New:	82.0kWh	77.0kWh	74.0kWh

MEASUREMENTS

	Min	Max	Delta	Status
Battery Temperature	18.8°C	19.3°C	0.5°C	✓
Cell Voltage	3.604V	3.612V	8mV	✓
Pack Voltage	346.3V			
Average Current	-2.0A			

BMS

	Value	Status
BMS State of Charge (SoC)*:	29%	
SoC calculation accuracy:		✓
BMS State of Health (SoH)*:	94%	
SoH calculation accuracy:		✓

SENSORS

Voltage Sensor	✓
Current Sensor	✓
Temperature Sensors	✓
Cell Voltage Sensors	✓